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EAST ANGLIAN REGION

# Annual Report

OF

St. Andrew's Hospital  
Thorpe, Norwich

For the Year Ending 31st December,

1953



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EAST ANGLIAN REGION  
Group 7 HOSPITAL MANAGEMENT COMMITTEE

ST. ANDREW'S HOSPITAL  
THORPE, NORWICH

# **Annual Report**

For the Year Ending 31st December,

**1 9 5 3**

# THE HOSPITAL MANAGEMENT COMMITTEE

H. DEACON, Esq. (*Chairman*)

F. H. EASTON, Esq. (*Vice-Chairman*)

MRS. K. M. ADLINGTON

G. BAYFIELD, Esq.

A. L. CARNEGIE, Esq.

H. T. DAVIS, Esq.

R. N. DEWHURST, Esq.

MRS. M. HIGH

W. J. HINDES, Esq.

G. HOWARD, Esq.

W. HOWES, Esq., J.P.

MISS M. T. MARSH, S.R.N.

DR. J. V. MORRIS

CAPT. E. MURRAY-HARVEY, O.B.E., M.C., F.R.G.S.

C. NOON, Esq., O.B.E., F.R.C.S.

G. S. READ, Esq.

J. W. SCOTT, Esq.

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*Secretary to the Committee:*

B. H. READ, F.H.A., St. Andrew's Hospital, Thorpe, Norwich.



## SUB-COMMITTEES

### FARM

W. HOWES (*Chairman*)

G. BAYFIELD

Miss M. T. MARSH

H. DEACON

C. C. SMITH

F. H. EASTON

A. N. WRIGHT

### WORKS

F. H. EASTON (*Chairman*)

MRS. K. M. ADLINGTON

CAPT. E. MURRAY-HARVEY

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J. W. SCOTT

A. L. CARNEGIE

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H. DEACON

P. E. TAYLOR

W. J. HINDES

A. N. WRIGHT

W. HOWES

### FINANCE

H. DEACON (*Chairman*)

G. BAYFIELD

W. HOWES

A. L. CARNEGIE

DR. J. V. MORRIS

H. T. DAVIS

G. S. READ

R. N. DEWHURST

J. W. WOODROW

F. H. EASTON

A. N. WRIGHT

G. HOWARD

## CONSULTING STAFF

### *Physicians :*

B. B. MORGAN, M.D. (Ed.), F.R.C.P. Lond.)  
 K. A. LATTER, M.D., F.R.C.P. (Lond.)  
 W. A. OLIVER, M.B.E., M.D., M.R.C.P. (Lond.)  
 J. A. CAMPBELL, M.R.C.P. (Lond.)

### *Surgeons :*

C. NOON, O.B.E., F.R.C.S. (Eng.)  
 N. J. TOWNSLEY, F.R.C.S. (Eng.)

### *Surgeon, Ear, Nose and Throat :*

R. A. HIGHMOOR, F.R.C.S. (Ed.), D.L.O.  
 I. S. YOUNG, F.R.C.S. (Ed.), D.L.O.

### *Surgeon, Ophthalmic :*

W. E. RUTLEDGE, L.R.C.P. & S.(I.), D.O.M.S. (Eng.)

### *Dental Surgeon :*

A. C. DAVIES, L.D.S., R.C.S. (Eng.)  
 J. C. J. MCGOWAN, L.D.S., R.F.P.S., F.D.S., R.C.S.

### *Anæsthetists :*

R. A. C. RICE, M.B., B.S. (Lond.), D.A. (Eng.)  
 A. I. WARD, M.B., B.S. (Lond.), D.A. (Eng.)  
 K. J. V. CARLSON, M.B., Ch.B. (Bristol).

### *Dermatologist :*

A. G. SMITH, M.D. (Glas.), F.R.C.S. (Eng.)

# OFFICERS

## 1953.

*Medical Superintendent (Consultant Psychiatrist):*

W. J. McCULLEY, M.B., Ch.B., B.Sc. (Glasgow), D.P.M. (Eng.)

*Deputy Medical Superintendent (Consultant Psychiatrist):*

J. D. FRASER, M.D. (Glasgow), M.B., Ch.B. (Glasgow), D.P.M. (Dublin)

*Consultant Psychiatrist:*

H. B. N. JENNINGS, M.D. (Liverpool), D.P.M. (Eng.)

*Senior Hospital Medical Officers:*

A. J. F. CROSSLEY, M.B., Ch.B. (Manchester), M.R.C.S. (Eng.), L.R.C.P. (Lond.),  
D.P.M. (Eng.)

RUTH E. M. MEIER-BLAAUW, M.D. (Breslau), L.R.C.P. & S. (Edin.)

*Senior Registrar:*

L. N. COOK, M.B., Ch.B. (Glasgow)—part-time.

*Registrar:*

EDNA F. BIRKINSHAW, M.B., B.S. (Sydney), M.R.C.P. (Lond.).

*Junior Hospital Medical Officer:*

B. PIETOCHA, M.B.E., M.D. (Warsaw)

*Senior House Officer:*

A. SIMON, M.D. (Budapest)

*Chaplains:*

REV. C. D. PROUD, F.R.G.S.

REV. E. S. FRANCE

*Group Secretary and Finance Officer:*

B. H. READ, F.H.A.

*Supplies Officer and Steward:*

F. S. ROBERTSON, A.H.A.

*Matron:*

MISS E. M. PARRY, S.R.N., R.M.N., O.N.C.

*Chief Male Nurse:*

J. C. WATTS, S.R.N., R.M.N.

*Psychologist:*

J. L. WORSLEY, B.A. (Manchester), Dip. Psychol. (Lond.)—part-time

*Psychiatric Social Worker:*

MISS C. A. W. McCall

*Pharmacist:*

H. E. G. TAYLOR, M.P.S.

*Engineer and Clerk of Works:*

H. J. WYATT, A.M.I.B.E., M.I.H.E.

*Farm Manager:*

F. GRAVELING



# EAST ANGLIAN REGIONAL HOSPITAL BOARD

## (GROUP 7)

*Sixth Report of the Hospital Management Committee  
appointed under Section 11 of the National Health  
Service Act, 1946, for the Management and Control of*

## ST. ANDREW'S HOSPITAL THORPE, NORWICH

The Management Committee has pleasure in presenting the following Annual Report covering the year 1953.

### MEETINGS AND VISITS.

Meetings were held as follows:—

Management Committee	...	...	...	12
Sub-Committees:—Finance	...	...	...	11
Farm	...	...	...	11
Works	...	...	...	11
Contracts	...	...	...	1
Special	...	...	...	3

Members of the Committee have made regular monthly visits of inspection to wards and other departments in accordance with Section 188 of the Lunacy Act, 1890.

### CHANGES IN COMMITTEE.

During the year Mr. R. E. Carter resigned. To fill this vacancy and the one outstanding at the end of 1952, Mr. A. L. Carnegie and Mr. P. E. Taylor have been appointed.

### ACCOMMODATION FOR PATIENTS.

Overcrowding has become rather worse owing to a rise in the admission rate, and at the end of the year there were 1,285 patients on the books compared with 1,243 available beds and an approved accommodation figure of 919. The fullest possible use is made of trial periods and extended leave so as to keep a few vacant beds for urgent cases.

Under such conditions proper classification of patients is impracticable and care and nursing become more difficult. Having regard to this, we feel that the favourable comments contained in the the report of the Board of Control Commissioners reflect the greatest credit upon the medical and nursing staff.



We can only repeat what has been said in previous reports, with renewed emphasis, that this problem can be solved in no other way than by providing extra bed accommodation at the hospital and for senile cases at some other suitable institution.

## FINANCE.

All financial records are now centralised in one office and the handicap of inadequate accommodation under which the finance staff have previously worked has been overcome.

A complete new system of stores records and stock control accounts has been introduced.

The work of inventory checking throughout the wards and other departments has been commenced.

Special investigations into the laundry and the pharmacy have been continued with a view to increasing efficiency and making economies, and at the end of the year the organisation of the catering department was receiving attention.

In addition to the usual amenities provided from Endowment Fund, the cost of the following was met from this source:—

Internal redecoration and improvement to lighting in the Chapel and Stage in the Recreation Hall.

Special programme of entertainments and recreation in Coronation week.

## WORKS DEPARTMENT.

The more important works undertaken by this department may be summarised as follows:—

### BY CONTRACT:—

External Painting—Male Hospital ward blocks, etc.

Internal re-decoration of Chapel and Recreation Hall.

### BY DIRECT LABOUR:—

Hot water radiators and piping fitted in Wards 5, 6, 9 and 13, dental room, operating theatre, dispensary, occupational department (part only) and various offices.

Cleaning and painting Wards C and H, corridors, sitting rooms and bathrooms in Nurses' Home and domestic staff quarters.

Conversion of room adjoining Ward 2 into finance office.

Conversion of room adjoining Ward 10 into Assistant Matrons' Office.

Building additional sanitary unit in Ward 15 garden.

Re-wiring domestic staff quarters, Ward C2, Ward 3 extension, main stores office, chapel.

Rebuilding greenhouse at Female Hospital.

Repairs to estate roads.

In the Laundry Ward dormitory, female hospital canteen and several small rooms, the experiment of laying coloured composition floor tiles has been tried with gratifying results.

An extension is being built near the boiler plant, mainly from salvaged materials, for additional calorifiers.

Mr. F. H. Easton, Chairman of the Works Committee, has taken a very active and keen interest in improvements outlined above and his experience in such matters has been most valuable.

## FARM AND GARDEN.

The following produce was supplied to the hospital during the year:—

Vegetables and Fruit to the value of £3,927 9s. 6d.

Potatoes,  $162\frac{3}{4}$  tons.

Beef, 50,417 lbs.

Mutton, 7,356 lbs.

Pork, 18,097 lbs.

Milk,  $29,280\frac{1}{2}$  gallons.

Eggs, 68,780.

Poultry, 776 lbs.

The following were the principal sales:—

British Sugar Corporation,  $208\frac{3}{4}$  tons Sugar Beet, value £1,310 6s. 11d.

Ministry of Food, 161 Pigs, value £3,554 0s. 8d.

An excellent supply of milk has been maintained and all the attested herd have successfully passed the tuberculin test.

With the co-operation of the County Agricultural Executive Committee, a contract for drainage of the marsh grazing land was completed and the land, which is subject to flooding, should produce suitable pasture over a greater part of the year than hitherto.

The Wards have been provided with plants and flowers which have been greatly appreciated, particularly in the admission and sick Wards.

A bowling green is to be laid down for the patients and the cost met from the Endowment Fund.

Regular inspections and tests of the electrical equipment in use at the farm premises are being made by the Engineer's staff.

The help and advice of the Chairman of the Farm Committee, Mr. W. Howes, which has been readily available at all times, is acknowledged with appreciation.



## CAPITAL WORKS.

The only capital items allowed to proceed during 1953 were:—

Ward 3: New kitchen and improvements to sanitary arrangements.

Block C: Conversion into two self-contained Wards—second stage.

It is understood that the provision of better sanitary units in Ward 5 has been authorised for 1954-55.

The following items already recommended on several occasions have not been authorised:—

Installation of Central Heating.

Connection of 8 cottages and 1 Medical Officer's house to sewerage system.

Improvement to Mortuary and Mortuary Chapel.

Grants have been made by the Regional Board to enable a modified scheme of heating in some of the Wards, where it was most needed, to be carried out by direct labour. Whilst this is an improvement of considerable value, it does not supersede the complete heating scheme prepared by the consulting engineers whom the Board appointed to advise them.

## STAFF.

The hospital suffered a severe loss by the death in August, after a short illness, of Mr. Herbert Hutchings, who had been Chief Male Nurse since 1st October, 1947. He was a man who never spared himself in the interest of his patients and who had won their confidence and respect.

To succeed him, Mr. J. C. Watts, formerly Chief Male Nurse at Moorhaven Hospital, Ivybridge, Devon, has been appointed.

Miss E. M. Parry, previously Matron at Downshire Mental Hospital, Northern Ireland, was appointed Matron as from 1st April, 1953, in place of Miss A. Coomber, to whom reference was made in our last report.

Mr. W. W. Taylor, Deputy Secretary, retired on pension on 30th September after 43 years hospital service (33 at St. Andrew's). A tribute to his loyal service over the long period is recorded in the minutes. Mr. F. J. Hunt, Senior Administrative Assistant, was promoted to Deputy Secretary as from 1st October.

The following posts additional to the establishment were filled:—

Clinical Psychologist (for duty at both St. Andrew's and Hellesdon (Group No. 8) Hospitals).

Psychiatric Social Worker.

Recreational Organiser.

The Committee regret to record the death of Mr. Thomas Lowne, employed as Cowman for 24 years, shortly after his retirement owing to ill-health.

In an effort to relieve the acute shortage of female nurses, a number of young women from France have been recruited, some of whom, it is hoped, will eventually be able to undertake training for the General Nursing Council examinations.

In conjunction with the Joint Consultative Staffs Committee the general rules for staff have been revised and put into force.

**GENERAL.**

The Committee has taken out membership of the Association of Hospital Management Committees and has appointed the Chairman and Vice-Chairman as representatives to serve on the East Anglian branch.

Support is also given to the National Association for Mental Health.

The Norfolk and Suffolk Hospital Contributors Association have again made generous gifts for the patients, particularly at Christmas and our thanks are due for this continued interest and help.

We acknowledge also the work of voluntary organisations in providing various entertainments.

The report of the Commissioners of the Board of Control, who visited the Hospital on 5th May is appended.

The ready co-operation of the officials of the Regional Hospital Board has been of great assistance in dealing with many matters and their advice has been most helpful.

It is with pleasure that we pay tribute to the excellent work of the Officers and Staff throughout the year.

Signed on behalf of the Management Committee,

H. DEACON,  
*Chairman.*

March, 1954.



# THE MEDICAL SUPERINTENDENT'S ANNUAL REPORT for the year 1953.

## *To the Hospital Management Committee*

MR. CHAIRMAN, LADIES AND GENTLEMEN,

I have the honour to submit to you the Annual Report for the year ending 31st December, 1953.

The following table shows the numerical changes which have taken place during the year:—

	M.	F.	Total.
Numbers in the Hospital on 1st January, 1953 ...	514	719	1233
Admitted during the year ... ..	225	317	542
Discharged and transferred during the year ...	154	245	399
Died ... ..	38	53	91
Remaining in Hospital 31st December, 1953:—			
Health Service Cases ... ..	506	738	1244
Service Cases ... ..	41	—	41
	<hr/> 547 <hr/>	<hr/> 738 <hr/>	<hr/> 1285 <hr/>

The daily average number resident was 516 men, 694 women, a total of 1210 patients, as compared with 1207 during the previous year. The number of patients under treatment during the year was 1775, the same number as in the previous year.

**Admissions  
Voluntary  
and  
Temporary  
Patients**

The number of admissions increased by 27 during the year. The number of Voluntary patients, including regradings to the Status, admitted during the year was 190 males and 265 females being 84% and 83.6% respectively of the total male and female admissions. The number of Temporary patients admitted was 7; 4 males and 3 females.

Of the patients admitted 100 male and 126 female had been previously dealt with under the Lunacy Act or the Mental Treatment Act and 42 male and 57 female were re-admitted to Hospital within twelve months.

**Sections  
20 and 21**

During the year 14 male and 15 female patients were admitted under Sections 20 and 21 of the Lunacy Act, 1890, and of these 15 remained as Voluntary patients, and 7 remained under Certificate.

Of the total number of direct admissions, 117 or 21.6% were 65 years of age and over and of the patients resident at the end of the year 278 or 21.6% were of this age group.

**Discharges  
and  
Transfers**

The condition of patients on discharge and transfer was as follows:—

				M.	F.	Total.
Recovered	...	...	...	30	52	82
Improved	...	...	...	102	173	275
Not Improved	...	...	...	22	20	42
				<hr/> 154	<hr/> 245	<hr/> 399

The Recovery Rate, calculated on direct admissions was 13% for males and 16% for females, an average of 15%.

The Discharge Rate, calculated on the total admissions was 68.4% for males and 77.3% for females, an average of 73.6%.

**Deaths**

The number of deaths was 38 males and 53 females, a total of 91 and of these 32 males and 36 females were 65 years of age or over, while 22 patients died within three months of admission. The Death Rate calculated on the average daily number resident was 7.4% for males and 7.6% for females, an average of 7.5%.

The Chief Causes of Death were:—

Diseases of the Circulatory System	...	...	44
Diseases of the Respiratory System	...	...	18
Cerebral Haemorrhage and Thrombosis	...	...	10
Cancer and Other Tumours	...	...	6
Tuberculosis	...	...	—
Other Causes	...	...	8

**Inquests**

Inquests were held during the year on a Male Certified patient, aged 73 years, who died as a result of an accidental fall; on a Female Certified patient, aged 89 years, who died from shock resulting from a fracture of the femur caused during a period of restlessness; on a Female Certified patient, aged 57 years, who died from shock resulting from a fracture of the femur which occurred during an epileptic fit; on a Female Certified patient, aged 81 years, who died after an accidental fall from a chair; and on a Female Voluntary patient on leave, who died from burns, caused by her dress accidently catching fire.

**Casualties**

There were 23 serious casualties during the year. These included 13 fractures of the femur, 1 fracture of the skull, 1 fracture of the nose, 1 fracture of the clavicle, 1 fracture of the humerus, 2 fractures of the ulna, 1 fracture of the wrist, 1 fracture of ribs, 1 fracture of the pelvis and 1 fracture of the ankle.

**Health of  
Patients**

The general health and nutrition of the patients continued satisfactory and there were no epidemics.

There were 3 male cases and 1 female case of Pulmonary Tuberculosis, 8 cases of Severe Diarrhoea (5 male and 3 female), 12 male and 33 female cases of Influenza, 11 male and 19 female cases of Broncho-Pneumonia, 6 male and 7 female cases of Lobar Pneumonia and 6 male cases of Erysipelas.



<b>Accommodation</b>	The state of accommodation as shown in the returns to the Ministry of Health was as follows:—				M.	F.	Total.
	Numbers on Register 31st December, 1953 ...				547	738	1285
	Statutory Accommodation—						
	Day	...	...	...	450	492	942
	Night	...	...	...	425	494	919
	Deficiency of Accommodation—						
	Day	...	...	...	97	246	343
	Night	...	...	...	122	244	366

The overcrowding was thus 49.4% in the Female Hospital and 28.7% in the Male Hospital as compared with 45.5% and 21% last year, so that the re-arrangement of the Catchment Areas has not yet had the hoped for effect.

The daily average number of patients on the register was 536 men and 724 women, a total of 1,260 patients. The number of beds available at 31st December was 1,245 and the average daily number of available beds during the year was 1,243. The average daily number of beds occupied during the year was 1,210 and there was an average daily number of 3 patients on trial and 47 patients on leave.

**Additions  
and  
Alterations**

The division of Male Ward C, commenced in 1951, was completed, but the separate wards have not yet been occupied, as the lower division awaits redecoration. Progress in redecoration of the Hospital continued during the year and included the Church and Recreation Hall and the Nurses' Annexe. Further improvements were made in the central heating in the Female Hospital.

**Treatment**

The Medical Establishment laid down by the Regional Hospital Board was finally attained during the year.

Insulin Coma was used in 50 cases of Schizophrenia, of whom 32 were discharged, 10 as recovered and 22 as improved.

Electro Convulsive Therapy was extensively used. The unmodified form was administered to 83 patients suffering from various forms of depression or excitement and of these 26, mainly cases of depression, were discharged, the majority recovered or greatly improved. A further 25 Out-Patients suffering from various forms of depression received this treatment and 17 were discharged as recovered or greatly improved.

The modified form of this treatment, using new relaxants administered by the Consulting Anaesthetist, was given to 172 patients all suffering from various forms of depression, of whom 115 were discharged as recovered or greatly improved. The treatment was also given to 86 Out-Patients of whom 80 were discharged as recovered or greatly improved.

The Intensive form of Electro-Convulsive treatment was given with varying benefit to 10 male patients mostly chronic and disturbed, 5 of whom were discharged.

The operation of pre-frontal Leucotomy was performed on 3 male and 10 female patients, mostly chronic and very disturbed but of the more recent cases 1 male and 1 female were discharged greatly improved. One female patient died of cerebral abscess following the operation.

The Physiotherapist carried out 2,270 treatments during the year.

The Chiropodist attended the Hospital for two three-hourly sessions weekly and gave 942 treatments to 149 female and 11 male patients.

#### Dental Treatment

Mr. J. J. McGowan, F.D.S., R.C.S., attended for one and a half sessions weekly.

The following is a summary of the work done:—

	Male.	Female.	Total.
Examinations ... ..	190	467	657
Extractions under General Anæsthetics ...	—	8	8
Local Anæsthetics ... ..	62	80	142
Dentures ... ..	9	30	39
Repairs to Dentures ... ..	18	18	36
Easing Dentures ... ..	5	—	5
Scaling ... ..	10	6	16
Temporary Dressings ... ..	7	—	7
Fillings ... ..	6	20	26

It will be seen that some conservative dental treatment has at last been carried out.

#### Laboratory

The work of this department was restricted by the loss of the Assistant Technician. The following is a summary of the work done:—

Specimens submitted for examination:—

In-Patient ... ..	3901
Out-Patient ... ..	361
Total ... ..	4262

#### EXAMINATIONS:—

BLOOD: Counts of Red and White Corpuscles, 1,353; Estimations of Hæmoglobin, 559; Agglutinations of Sera for Enteric, Dysenteric Infection, etc., 144; Kahn Precipitation Tests, 516; Urea Estimations, 99; Sugar Estimations, 297; Sedimentation Rate of Red Corpuscles, 276; Corpuscular Volume of Red Corpuscles, 117; Estimations of Bromide, 26; Estimations of Prothrombin Time, 12; Blood Groupings, 17; Other Examinations including Cultures, Reticulocytes, Platelets, Bleeding Time, Coagulation Time, Plasma Proteins, Cholesterol, Serum Calcium, Hæmograms, Van den Bergh's Diazo Tests, etc., 212.

CEREBRO-SPINAL FLUID: Cultural Examinations, 7; Cytological and Microscopical, 41; Chemical Examinations, 72; Kahn Precipitation Tests, 15; Lange's Gold Sol Curves, 18.



FAECES: Cultural Examinations, 197; Chemical Examinations, 37; Microscopical Examinations, 11; Fat Estimations, 3; Other Examinations, 3.

GASTRIC JUICE: Estimations of Acid, 7; Chemical Examinations, 143; Other Examinations, 4.

MILK (BOVINE): Methylene Blue Reduction Tests, 11; Fat Estimations, 8; Other Examinations, 7.

PUS AND OTHER BODY FLUIDS: Cultural and Microscopical Examinations, 33.

SPUTUM: Cultural and Microscopical Examinations, 76.

THROAT, NASAL SWABS, ETC.: Cultural and Microscopical Examinations, 54.

URINE: Cultural Examinations, 169; Microscopical Examinations, 1,452; Protein Estimations, 10; Sugar Estimations, 106; Chemical Examinations (Qualitative), 6,606; Other Examinations, 3.

WATER: Bacteriological Investigations, 10.

MISCELLANEOUS: Including Sensitivity Tests (Antibiotic), Insulin Tolerance Tests, Skin Scrapings for Fungal Infection, Analysis of Foodstuffs, Glucose Tolerance Tests, etc., 108.

Total Examinations Performed, 12,839.

#### **X-Ray Department**

The following summary shows the work performed by this Department during the year:—

Chest, 494; Spine, 123; Sinuses, 45; Skull, 50; Hips and Femur, 42; Knee, 9; Ankle and Foot, 34; Shoulder, 20; Elbow, 7; Wrist and Hand, 40; Ribs, 17; Gall-Bladder, 4; Kidneys, Urinary Track, Abdomen, etc., 24; Dental, 33, Nose, 2; Jaw, 6; Cysticicosis, 1.

Total number of Examinations, 947.

#### **Occupational Therapy**

The work of the Occupational Therapy Department was fully maintained during the year. The number of new patients attending Occupational Therapy classes was 306 and attendances for all patients totalled 51,595. The News Letter continued to appear under the editorship of the Free Church Chaplain and the supervision of the Occupational Therapist.

#### **Out-Patient Clinics**

The number of new patients and the attendances at the various Out-Patient Clinics were as follows:—

Clinic.	New Cases.			Attendances.		
	M.	F.	Total.	M.	F.	Total.
Norfolk and Norwich ...	97	151	248	292	506	798
Great Yarmouth ...	71	76	147	299	414	713
Lowestoft ...	66	67	133	431	469	900
St. Andrew's Hospital ...	10	28	38	376	637	1013
Total ...	244	322	566	1398	2026	3424

These figures show an increase of 11% in the number of new patients and an increase of 6% in attendances. The decrease in attendances at the Norfolk and Norwich Hospital was presumably due to the alteration in the areas served by the clinics.

These figures include those patients attending St. Andrew's Hospital for Electro-Convulsive treatment.

The number of patients admitted to Hospital from the Clinics was 58 males and 74 females, a total of 132 or 23% of the new patients seen.

#### **Social Work**

The vacancy for a Psychiatric Social Worker was filled during the year, but acknowledgement must again be made to Dr. Ruddock-West and the Welfare Officers of the Norfolk County Council and to Dr. Grant and the Welfare Department of Gt. Yarmouth for their services to the hospital.

#### **Entertainments**

A Recreational Organiser was appointed towards the end of the year. Cinema shows were held weekly in the Main Hall and 16 mm. films were shown in the Wards. Concerts, Dances and Whist Drives were given during the winter months and Boat Trips and Motor Coach Tours were arranged during the summer. Parties of patients attended the Theatre Royal Pantomime and many male patients attended the Norwich City football matches. Commentaries were relayed from Norwich City Football Club ground at Carrow Road. The Monthly Shopping Evening and Weekly Social Evenings continued throughout the year. A special programme of entertainments was arranged during Coronation week and the Annual Sports were held in July.

#### **Parole and Leave**

Full Parole was given to 77 male and 23 female patients and Parole within the grounds to 57 male and 83 female patients. There was a further increase in the number of patients granted leave.

#### **Official Visits**

Miss I. C. Duncan and Dr. J. Ivison Russell, Commissioners of the Board of Control, visited the Hospital on 4th and 5th May, 1953.

Lt. Colonel and Mrs. L. Rushworth Ward, Representatives of the Official Solicitor, visited the hospital on 23rd October, 1953.

Dr. J. A. D. Skinner, from the Ministry of Pensions, made the annual inspection of Service patients on 6th August, 1953.

Capt. R. A. Napier, from the ex-Services' Welfare Society, visited ex-Service patients on 4th February, 1953.

#### **Nursing Staff**

The whole-time Female Nursing Staff at the end of the year consisted of 27 Registered Nurses, 7 Student Nurses, 23 Nursing Assistants and 9 Nursing Orderlies; also 15 Registered Nurses, 48 Nursing Assistants and 1 Nursing Orderly working part-time.

The number of Female Student Nurses engaged during the year was 3, but of these 2 left and a further 2 Student Nurses from the previous year's intake also left.

The Male Nursing Staff at the end of the year consisted of 71 Registered Nurses, 13 Student Nurses, 10 Nursing Assistants and 6 Nursing Orderlies, all whole-time. Three nurses were seconded for General Training.



During the year Student Nurses passed the General Nursing Council examinations for Mental Nurses as follows:—

			Preliminary		Final
			Part I	Part II	
Male	...	...	5	2	10
Female	...	...	1	1	—
			—	—	—
			6	3	10
			—	—	—

#### Changes of Staff

Dr. H. B. N. Jennings, Consultant, joined the staff on the 18th February, 1953.

Dr. J. McConnell took up her appointment as Registrar on the 7th April, 1953.

Miss A. Coomber, Matron, left on 31st March, 1953, on the occasion of her forthcoming marriage.

Miss E. M. Parry was appointed Matron and took up her duties on the 1st April, 1953.

Mr. H. Hutchings, Chief Male Nurse, died on the 8th August, 1953, after a short illness.

Mr. J. C. Watts was appointed Chief Male Nurse and commenced duty on the 9th November, 1953.

Mr. W. W. Taylor retired on the 30th September and Mr. F. J. Hunt was appointed to succeed him as Deputy Secretary.

Mr. S. T. Read was appointed Senior Administrative Assistant and commenced duty on the 13th July, 1953.

Miss C. A. W. McCall, Psychiatric Social Worker, joined the staff on the 20th July, 1953.

Mr. J. L. Worsley, Joint Clinical Psychologist with Hellesdon Hospital, commenced duty on 5th October, 1953.

Miss E. J. Alford, Assistant Occupational Therapist, commenced on 30th March and Miss O. K. Jones, Assistant Occupational Therapist, joined the staff on 17th August, 1953.

Mrs. H. Devenish was appointed to the new post of Recreational Organiser and commenced duty on the 2nd November, 1953.

#### Pensions

The following members of the staff retired on pension:—

Charles Thomas Brighton, Carpenter, after 47 years' service.

Thomas James Lowne, Cowman, retired on incapacity after 24 years' service.

Ivy Stephens, Ward Sister, after 32 years' service.

Walter William Taylor, Deputy Secretary, after 43 years' service.

**Conclusion**

I again record my thanks to my Medical Colleagues, to the Officers and Staff of the Hospital and to the Officers of the Regional Hospital Board and I acknowledge the continued support of the Chairman and Members of the Committee of Management.

I have the honour to be,

Mr. Chairman, Ladies and Gentlemen,

Your obedient servant,

W. J. McCULLEY,

27th March, 1954.

*Medical Superintendent.*



## FREE CHURCH CHAPLAIN'S REPORT, 1953.

January, 1954.

MR. CHAIRMAN, LADIES AND GENTLEMEN,

It is my pleasure to submit the following report of my work at the Hospital over the past twelve months.

During the year I have visited every ward in the Hospital, both in the Main Building and the Annexe at least once a week. Other special visits have been made as and when requested. The arrangement now in operation by which intimation is given of fresh admissions is much appreciated, enabling early visitation and greatly facilitating the work in general.

It is very gratifying to report that attendances at the Sunday afternoon services in the Chapel have been well maintained, the number of patients present reaching an average of about 250. I cannot speak too highly of the assistance rendered week by week by Mr. K. N. Newson, the organist, and the members of the choir. Their regular presence and support are very commendable and much valued.

One pleasing feature of the year has been the noticeable readiness with which some of the patients, of their own accord, have approached one for personal talks. This is encouraging and insofar as it is an indication of confidence one is grateful.

I would again like to express my sincere thanks to Dr. McCulley, Mr. Read, Miss Parry, Mr. Watts and other members of the staff for their help and co-operation throughout the year.

I beg to remain,

Mr. Chairman, Ladies and Gentlemen,

Yours obediently,

ERNEST S. FRANCE,

Free Church Chaplain.

385, Unthank Road,  
Norwich.

## CHAPLAIN'S REPORT, 1953.

19th March, 1954.

MR. CHAIRMAN, LADIES AND GENTLEMEN,

I have the honour to submit my report for the year 1953.

First of all I wish to thank Dr. McCulley, Mr. Read and all the members of the staff for their friendly co-operation and willing assistance throughout the year. I also wish to record how much I appreciate the friendship of the Rev. E. S. France, who is always ready to help me whenever the occasion arises.

The ordinary Sunday Services have been well attended and the choir of patients under the leadership of our organist, Mr. K. N. Newson, have helped everyone to join in heartily in the hymns and prayers.

The special preacher at our Harvest Thanksgiving was the Rev. Basil Maine, well-known in Norfolk as a journalist, author, musician and broadcaster. The chapel was beautifully decorated, as usual, for the occasion.

Holy Communion has been celebrated on the second Sunday in the month and on the great Festivals. The attendance at these services has varied very little during the past ten years. Private celebrations were held on the wards for those unable to visit the chapel.

The wards have been visited regularly and patients look forward to the visits and seek the help of the Chaplains in their problems. There are also occasions when the members of the Staff turn to the Chaplain for advice and encouragement.

During 1953 only eight C. of E. funerals were held in the Hospital Cemetery.

In conclusion, may I thank the Committee for redecorating the Chapel and Mr. Wyatt for his work on the reredos. All agree that the appearance of the building has greatly improved.

I am, Mr. Chairman, Ladies and Gentlemen,

Your obedient servant,

CLYDE DOUGLAS PROUD,

Chaplain.

Postwick Rectory,  
Norwich.



# REPORT OF THE COMMISSIONERS OF THE BOARD OF CONTROL

ST. ANDREW'S MENTAL HOSPITAL,  
NORWICH.

5th May, 1953.

This hospital continues to be administered upon progressive lines and much has been done, within the limits of careful economy, during the past year to increase the comfort and happiness of the patients undergoing treatment.

The wards generally are in an excellent state of decorative repair and repainting of dayrooms, dormitories and corridors is continuing steadily. The condition of the grounds and ward gardens deserves a special word of praise. Even the gardens used by the most turbulent patients are now a mass of flowers and it is noteworthy that so little damage to the flower beds is done by the patients. It has not yet been possible to resurface all the garden paths but it is hoped to complete this work when money becomes available. We were particularly struck by the gardens and allotments at W.16 where each patient interested in gardening has his own garden patch and is allowed to sell the produce internally to members of the Staff. The women patients also are keenly interested in gardening in the plots adjacent to two of the occupation centres. Male Ward C which is on two floors is now in process of being converted into two distinct wards one on each floor. A new sanitary annexe has been made for the upper ward and is most spacious and well equipped, although the new type of bath may not be altogether a wise choice and may tend to increase the danger of accident to patients attempting to get out of the bath unaided. Alterations are now being made to F 3, the turbulent and main typhoid carrier ward, to improve the kitchen and sanitary accommodation. This ward will, however, continue to furnish a difficult problem in segregation with regard to the 20 carriers and 2 active tuberculosis patients who continue to share day room and dormitory space with the other patients.

The furnishing of the wards is good and improvements are steadily being made. There are numerous upholstered armchairs. The excellent pictures referred to in the last entry have been added to in the past year.

The recreational and occupational life of the patients is a full one. The Recreation Hall has been decorated for the first time in some thirty years and its size has been increased by the elimination of the area formerly railed off for the use of a band. In this hall there are regular dances, cinema performances and concerts, including Concerts arranged by the Council for Music in Hospitals. A 16 mm. projector is taken round the wards so that patients unable to visit the hall can enjoy cinema entertainments. The Church has been decorated and a beautiful reredos of carved oak and a reading desk has been made by the Hospital Engineer. Both here and in the Hall microphones have been fitted and joined up with the internal Broadcasting system so that Church services and concerts can be relayed to the Wards.



Occupation therapy is in the care of three trained occupational therapists and there are three occupation centres. So far ward classes have not been formed but Dr. McCulley has this development in mind.

Since the last visit the Male Visiting Room has been transformed into a Canteen run on the same lines as the one already in existence at the main entrance. It is comfortable and much used and as at the central canteen patients' friends can have refreshments when they visit, which they can do any day in the week except Sundays.

Dinner today consisted of cold ham, mashed potatoes, pickles and tapioca pudding. The diet appears well varied and adequate.

Various improvements have been made at the Kitchen, a new double-tier drawplate oven, a new fish fryer and a potato peeling machine have been installed and the vegetable yard mentioned last year has been roofed in.

In the laundry, following an accident at a neighbouring hospital, a further safety device has been fitted to the Calender. We were pleased to be told that the foul wash is entirely treated in the laundry and that there is in consequence the minimum handling in the wards.

During our visit, which began yesterday, we believe we have seen all the patients in residence and in addition to giving 8 special interviews, we had many conversations with individual patients. We found them on the whole well behaved and quiet and there were few complaints of any kind.

There are 1,209 patients in residence today—516 men and 693 women. Of these 183 men and 206 women are voluntary and the remainder are all detained under certificates. During 1952 there were 509 direct admissions (206 men, 299 women) of whom no fewer than 406 came in voluntarily and 10 were temporary admissions. In 1952 the number of patients admitted for observation under Sections 20 and 21 of the Lunacy Act (1890), numbered 20 (9 men, 11 women). Of the total 12 remained on a voluntary basis, 1 became a temporary patient and 3 only had to be certified; 3 were discharged to the care of friends. In the period under review 462 patients left or were discharged and 42 went out on trial.

Although the hospital still has a serious shortage of female nurses the actual figures show a slight improvement on the position as it was at the last visit. The total nursing staff consists of 90 male and 35 female full-time nurses and 65 female part-time nurses. Sixty-five of the men and 31 of the women (14 of them part-time only) are certificated or registered as mental nurses and 3 of the full-time nurses are at present seconded for general training. We are glad to note that of the junior nursing staff 18 men and 9 women are classed as student nurses. The position on the female side is strengthened by 16 full-time and 3 part-time ward orderlies.

At the present time the entire redecoration of the Nurses' Home is being completed. The colour scheme is very attractive. Improvements to the furnishings have been made and all bedrooms are now centrally heated.



The facilities provided both for general and special treatments are good and obviously being used to the best advantage. The infirmaries at F "15" and M "D" wards were remarkably bright and pleasant. The arrangements for special psychiatric treatments are also admirable. The treatment unit at the Male hospital includes an X-ray plant, operating theatre, dental surgery, physiotherapy and deep insulin and Electro-Convulsive Treatment rooms. Part of the dental equipment is of obsolete pattern and is about to be replaced.

There are at present 7 men and 6 women suffering from pulmonary tuberculosis, two of the men being recent cases. Since our last visit an important improvement has been effected by the construction of an extension to "D" ward for the treatment of tuberculosis patients. It is well equipped with new sluice room, steriliser and other water services. Here and also at the Women's hospital the accommodation and methods of treatment are very satisfactory.

Early this year an epidemic of influenza attacked 12 men and 35 women; otherwise the general health of the patients has remained good and the hospital is at present free from infectious disease. Mention has been made on previous occasions of the presence of known typhoid carriers among the female patients and it is noted that 1 patient contracted this disease in 1952. Careful bacteriological investigations and other precautionary measures continue to be carried out including the annual re-inoculation of contacts and as far as possible the ever present risk is under control. We appreciate that ruthless isolation of all suspected carriers is not practicable in the present circumstances.

During 1952 63 patients died (27 males, 36 females) giving the low mortality rate of 5.2% and since January of this year 46 deaths have occurred. Four inquests were held.

Since the last visit there have been 19 casualties involving fractures.

The Medical Staff is now up to full establishment and is supported by a full complement of consultants in other specialties. Dr. McCulley the Medical Superintendent has as his Deputy Dr. Fraser and Dr. Jennings has recently joined the staff as a third consultant. The other physicians are Drs. Crossley, Ruth Meier Blaauw, Birkinshaw, McConnell, Pietocha and Simon, while St. Andrew's shares with Hellesdon the services of Dr. Cook as Senior Registrar.

We had the pleasure of meeting the Chairman and Vice-Chairman of the Hospital Management Committee at luncheon today, and we must thank them and Dr. McCulley for their helpful attitude to our enquiries.

I. COFFIN DUNCAN	} <i>Commissioners of the</i>
J. IVISON RUSSELL	
	} <i>Board of Control.</i>

TABLE I.

*Showing the Admissions, Re-admissions, Discharges and Deaths during the year ending 31st December, 1953.*

	Male	Female	Total	Male	Female	Total
In the Hospital, 1st January, 1953.				514	719	1233
<i>Cases Admitted.</i>						
First Admissions ... ..	125	191	316			
Not First Admissions ... ..	100	126	226			
Total Cases admitted during the year ...				225	317	542
Total Cases under care during the year				789	1036	1775
<i>Cases Discharged.</i>						
Recovered ... ..	30	52	82			
Relieved ... ..	102	172	274			
Not Improved ... ..	21	18	39			
Transferred to other Hospitals ...	1	3	4			
Died ... ..	38	53	91			
Total Cases discharged and died during the year ... ..				192	298	490
Remaining in the Hospital, 31st Dec., 1953 ... ..				547	738	1285
Average number resident during year ...				516	694	1210
Persons Admitted ... ..				225	317	542
Persons Recovered ... ..				30	52	82
Transferred to this Hospital ... ..				—	1	1
Transferred from this Hospital ...				1	3	4



TABLE II.

Showing the Admissions, Discharges and Deaths, with the mean Annual Mortality and Proportion of Recoveries per cent.  
the year ending 31st December, 1953

Years	Admission			Discharged						Died			Remaining 31st Dec. in each year			Average Number Resident			Percentage of Recoveries to Admissions			Percentage of Deaths to Average Number Resident		
	Admission			Recovered			Relieved			Died			31st Dec. in each year			Average Number Resident			Percentage of Recoveries to Admissions			Percentage of Deaths to Average Number Resident		
	Male	Fem.	Total	Male	Fem.	Tot.	Male	Fem.	Tot.	Male	Fem.	Tot.	Male	Fem.	Tot.	Male	Fem.	Tot.	Male	Fem.	Tot.	Male	Fem.	Total
From 1850 to																								
1910	4345	5423	9768	1543	2197	3740	215	264	479	1903	2001	3904	455	581	1036	452	585	1037	28.57	41.46	35.98	12.16	10.08	10.99
1911	101	127	228	26	51	77	5	8	13	55	59	114	445	599	1044	454	589	1043	26.04	34.40	30.76	11.45	10.19	10.74
1912	102	135	237	25	43	68	3	7	10	52	60	112	445	599	1044	454	589	1043	26.04	34.40	30.76	11.45	10.19	10.74
1913	103	121	224	31	49	80	6	5	11	48	83	131	458	576	1034	449	583	1032	31.63	47.12	39.60	10.69	14.23	12.69
1914	105	99	204	34	30	64	7	5	12	50	55	105	468	577	1045	474	575	1049	39.08	34.48	36.78	10.54	9.56	10.01
1920	114	630	774	44	81	125	7	9	16	21	28	49	349	519	868	329	493	822	42.30	61.83	53.19	6.38	5.68	5.96
*1921	114	121	235	38	55	93	8	12	20	38	47	85	372	522	894	365	523	888	35.18	48.23	41.89	10.41	8.98	9.57
1922	97	135	232	25	60	85	10	5	15	47	51	98	384	537	921	366	525	891	27.47	46.87	38.81	12.84	9.71	10.99
1923	105	195	300	26	63	89	7	11	18	40	37	77	410	618	1028	396	595	991	26.26	40.64	35.03	10.10	6.22	7.77
1924	84	148	232	35	67	102	11	18	29	25	50	75	421	623	1044	413	608	1021	44.30	47.51	46.31	6.05	8.22	7.34
1925	77	141	218	35	68	103	6	11	17	36	42	78	417	636	1053	415	626	1041	50.00	52.71	51.75	8.67	6.70	7.49
1926	103	138	241	37	69	106	5	23	28	28	38	66	445	614	1059	434	639	1073	38.54	51.87	46.28	6.49	5.94	6.15
1927	88	131	219	29	37	66	5	17	22	33	31	64	465	652	1117	452	631	1083	35.36	29.84	32.03	7.80	4.91	5.92
1928	90	115	205	27	58	85	8	11	19	43	29	72	471	664	1135	471	658	1129	31.03	55.23	44.27	9.12	4.40	6.37
1929	85	127	212	20	37	57	8	14	22	43	34	77	484	701	1185	480	675	1155	24.09	31.09	28.21	8.95	5.03	6.66
1930	86	125	211	25	47	72	5	9	14	42	32	74	493	735	1228	489	716	1205	30.48	39.49	35.82	8.59	4.46	6.14
1931	91	139	230	15	44	59	16	99	115	46	42	88	504	677	1181	498	699	1197	17.85	32.83	27.06	9.23	6.00	7.35
1932	81	133	214	23	45	68	72	52	124	33	42	75	455	668	1123	463	667	1130	28.40	33.80	31.70	7.10	6.40	6.60
1933	106	147	253	40	65	105	49	32	81	34	32	66	437	683	1120	451	665	1116	40.00	46.09	43.57	7.54	4.80	5.82
1934	100	136	236	37	73	110	12	37	49	27	36	63	437	669	1106	429	678	1107	38.90	56.20	48.90	6.30	5.30	5.70
1935	122	129	251	28	38	66	45	44	89	36	23	59	447	685	1132	438	683	1121	23.30	29.90	26.70	8.20	3.40	5.30
1936	108	132	240	38	56	94	32	49	81	28	37	65	449	670	1119	451	686	1137	35.85	44.44	40.52	6.21	5.39	5.72
1937	122	157	279	55	73	128	22	30	52	39	34	73	449	684	1133	453	673	1126	48.67	48.03	48.30	8.61	5.05	6.48
1938	94	156	250	45	79	124	9	42	51	25	41	66	454	673	1127	452	679	1131	48.91	52.32	51.03	5.53	6.04	5.83
1939	116	156	272	42	78	120	14	29	43	50	26	76	458	693	1151	454	683	1137	37.50	52.70	46.15	11.01	3.81	6.68
1940	69	130	199	41	89	130	12	29	41	42	43	85	425	659	1084	441	667	1108	59.4	72.9	68.1	9.5	6.4	7.6
1941	88	138	226	17	75	92	14	34	48	47	36	83	428	641	1069	425	652	1077	20.0	56.3	42.2	11.0	5.5	7.7
1942	83	133	216	37	53	90	17	39	56	40	30	70	411	647	1058	413	644	1057	47.4	41.0	43.4	9.6	4.6	6.6
1943	103	161	264	43	87	130	25	31	56	25	24	49	410	658	1068	414	654	1068	42.1	54.0	49.4	6.0	3.6	4.5
1944	88	173	261	27	80	107	23	44	67	47	26	74	418	668	1086	413	667	1080	30.6	47.9	41.9	5.0	3.8	4.3
1945	83	152	235	25	87	112	18	45	63	26	31	57	424	649	1073	421	646	1067	31.6	58.4	49.1	6.1	4.7	5.3
1946	136	223	359	44	80	124	27	53	80	35	37	72	446	687	1133	426	661	1087	33.0	37.2	35.6	8.2	5.6	6.6
1947	147	231	378	30	87	117	68	91	159	20	36	56	460	693	1153	444	682	1126	21.0	38.8	31.9	4.5	5.3	5.0
1948	191	244	435	60	117	177	64	84	148	25	21	46	494	708	1202	466	678	1144	31.6	48.9	41.3	5.4	3.1	4.0
1949	236	278	514	67	97	164	97	112	209	37	39	76	510	721	1231	478	684	1162	28.4	34.9	31.9	7.7	5.7	6.8
1950	216	309	525	40	67	107	99	149	248	44	35	79	520	744	1264	495	712	1207	18.6	21.9	20.5	8.9	4.9	6.5
1951	234	312	546	40	75	115	121	149	270	47	57	104	514	746	1260	505	723	1228	17.2	24.4	21.3	9.3	7.9	8.5
1952	209	306	515	33	66	99	122	200	322	27	36	63	514	719	1233	498	709	1207	16.0	22.0	19.6	5.4	5.1	5.2
1953	225	317	542	30	52	82	102	172	274	38	53	91	547	738	1285	516	694	1210	13.3	16.4	15.1	7.4	7.6	7.5
Totals	8847	12303	21150	2857	4675	7532	1396	2075	3471	3296	3494	6790	1304	1974	5907	1304	1974	5907						

\* No Statistics are prepared for year 1915—1919 as Institution was in use as a War Hospital



*Showing the Causes, Ages and Post-Mortem Examinations in the Deaths during 1953.*

PRINCIPAL CAUSE OF DEATH (One Cause Only).	NUMBER OF DEATHS																No. of P.M. Examinations.
	AGES																
	Under 16		16-19		20-24		25-34		35-44		45-54		55-64		65 and over		
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
INFECTIOUS DISEASES—																	
Paratyphoid Fevers	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Influenza	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
GENERAL DISEASES—																	
Tuberculosis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Cancer and other Tumours	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Grave's Disease	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Diabetes	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Aplastic Anæmia	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
NERVOUS SYSTEM—																	
Diseases of the Spinal Cord	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Cerebral Hæmorrhage, Apoplexy, etc.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
General Paralysis of the Insane	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Other Diseases of the Nervous System	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Senility	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
CIRCULATORY SYSTEM—																	
Heart Disease	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Myocarditis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Diseases of the Coronary Arteries	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Arterio Sclerosis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Gangrene	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Other Diseases of Circulatory System	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
RESPIRATORY SYSTEM—																	
Bronchitis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Pneumonia	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Hypostatic Congestion of the Lung	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Other Diseases of the Respiratory System	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
DISEASES OF THE DIGESTIVE SYSTEM—																	
Ulcer of Duodenum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Intestinal Obstruction	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Peritonitis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Other Diseases of the Digestive System	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
NON-VENEREAL DISEASES OF THE GENITO- URINARY SYSTEM AND ANNEXA—																	
Chronic Nephritis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Other Diseases of Kidney and Annexa	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
DEATHS BY—																	
Shock following accident — fractured femurs	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Toxaemia following extensive burns	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Totals	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	









